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**Neuroscience-Spring 2012**

**Practice Final Exam-Answers**

1. A
2. E (A should be 4th ventricle, B should be constriction, C is the nucleus ambiguus, D should say parasympathetic)
3. E
4. B
5. C
6. D
7. B
8. E
9. A
10. B
11. C
12. E
13. C
14. B
15. E
16. D
17. D
18. B
19. A, B, D, E
20. A, B (this is essentially what occurs in Huntington’s Disease)
21. E
22. A
23. C
24. E
25. B
26. E
27. B
28. D
29. B, D
30. A
31. A
32. C
33. D
34. E (sorry if the wording on this choice is confusing….low frequency stimulation of Schaffer collaterals results in presynaptic glutamate release. NOS forms NO, which increases presynaptic GLU release)
35. E (A is false because PKA does not phosphorylate CREB2 directly. Rather, it activates MAPK, and it is MAPK that phosphorylates CREB2)
36. E
37. B
38. C (Note: all of the choices can happen, but the question refers specifically to tests done on sight-limited individuals. See “Blindsight” in Dr. Wall’s lecture on higher cognitive function)
39. B
40. A
41. C
42. C
43. B
44. C
45. A
46. E
47. B
48. D
49. C
50. C